

19991209.qrp v01_n664.qrl.991209

Date: Thu, 9 Dec 1999 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1664

QRP-L Digest 1664

Topics covered in this issue include:

- 1) [57631] Re: 'Tis the season - clipart (ham)
by Roger Hightower <n7kt@earthlink.net>
- 2) [57632] Re: Italian Call lookup
by KD1YV <kd1yv@mindspring.com>
- 3) [57633] FS:QRP Rigs
by "Alan Fryer" <n3bj@hotmail.com>
- 4) [57634] Re: Peltless Hound
by "Jim Francoeur" <jrfrancoeur@freewwwweb.com>
- 5) [57635] Zombie Shuffle Pin Info
by Doug Hendricks <ki6ds@dospalos.org>
- 6) [57636] FS: Whiterook MK-64MB Paddle/Keyer
by Paul Womble <pwomble1@tampabay.rr.com>
- 7) [57637] Last Update of stuff left for sale
by tatkins <tatkins@unix1.sncc.lsu.edu>
- 8) [57638] ANT: regarding getting open wire inside
- by "Walt Amos" <waltamos@surfree.com>
- 9) [57639] Price reduced on HW-9 setup.
by "Kelly Ellison" <kelman@dialnet.net>
- 10) [57640] FOX #14 - AF4AR - Where did he go?
by Tom Palmer <n1tp@worldnet.att.net>
- 11) [57641] Re: FOX #14 - AF4AR - Where did he go?
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 12) [57642] fox: test message, pls disregard
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 13) [57643] FOX #14 - AF4AR
by Monte Stark <ku7y@dri.edu>
- 14) [57644] FOXHUNT #14 AF4AR Rick in NC
by Tom Palmer <n1tp@worldnet.att.net>
- 15) [57645] Receivers: CW Filters, Dealing with SCAF Artifacts
by "James R. Duffey" <jamesd1@flash.net>
- 16) [57646] Re: Zombie shuffle pins
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 17) [57647] OLD RADIOS: Vibrators
by Monte Stark <ku7y@dri.edu>
- 18) [57648] Re: FOXHUNT #14 AF4AR Rick in NC
by "Rod Cerkoney" <rlw@friei.com>
- 19) [57649] New Battery Power Source-WOW!

- by REDSBOY@aol.com
- 20) [57650] Re: WAS from Multiple Locations
by Monte Stark <ku7y@dri.edu>
 - 21) [57651] Re: Getting feedline into house
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
 - 22) [57652] Re: Obsessed!
by N7YA@aol.com
 - 23) [57653] Re: Getting feedline into house
by Monte Stark <ku7y@dri.edu>
 - 24) [57654] LQQKING QRP to buy
by RangerSF5@aol.com
 - 25) [57655] Re: OLD RADIOS: Vibrators
by Monte Stark <ku7y@dri.edu>
 - 26) [57656] Autek Research QF-1A Info?
by "Dennis Payton" <dpayton@fwi.com>
 - 27) [57657] Ladder Line Static Bleed
by K5KW@aol.com
 - 28) [57658] Unrelated subjects..., RE: Actual Messages sent
by SKIPNC90@aol.com
 - 29) [57659] Re: OLD RADIOS: Vibrators
by "George T. Baker" <w5yr@worldnet.att.net>
 - 30) [57660] CW:Commercial Outboard Filters (long)
by "James R. Duffey" <jamesd1@flash.net>
 - 31) [57661] TenTec PM-3A and AC supply for swap
by Jim/Julia <w7ls@blarg.net>
 - 32) [57662] Re: OLD RADIOS: Vibrators
by Howard D Rubin <n3fel@juno.com>
 - 33) [57663] Re: Grounding shack equipment
by Howard D Rubin <n3fel@juno.com>
 - 34) [57664] Re: Getting feedline into house
by Howard D Rubin <n3fel@juno.com>
 - 35) [57665] Re: Getting feedline into the house
by w4pj@w4bqx.ampr.org
 - 36) [57666] Re: CW:Commercial Outboard Filters (long)
by Charles Greene <cgreene@loa.com>
 - 37) [57667] ANT: Basic SWR question
by "Donny" <dsirait@centrin.net.id>
 - 38) [57668] RE: Getting feedline into house
by Karl Kanalz <KKanalz@excel.com>
 - 39) [57669] Re: FOX #14 - AF4AR - Where did he go?
by brian@iquest.net
 - 40) [57670] Wyoming
by Bruce Muscolino <w6toy@erols.com>
 - 41) [57671] Re: Autek Research QF-1A Info?
by Ray Colbert <af852@rgfn.epcc.edu>
 - 42) [57672] FOX: N5IW is FOX Monday, Dec.13,1999, 7PM CST
by Cw4n5iw@aol.com
 - 43) [57673] FOX: KF4AR report

- by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 44) [57674] Re: Price reduced on HW-9 setup.
by Chris Cartwright Sr <ccart@phideaux.com>
- 45) [57675] Re: Price reduced on HW-9 setup.
by Chris Cartwright Sr <ccart@phideaux.com>
- 46) [57676] Re: Getting feedline into house
by "Charlie Fitts" <cfitts@neca.com>
- 47) [57677] FOX: KF4AR log 12/08/99
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 48) [57678] Cw Filters.Coments!
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
- 49) [57679] Re: Unrelated subjects.., RE: Actual Messages sent
by Ray Colbert <af852@rgfn.epcc.edu>
- 50) [57680] Parallel feedlines and static discharge
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 51) [57681] Chod Harris
by K2UD@aol.com
- 52) [57682] FOX: Final KF4AR log, I hope
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 53) [57683] test dont read
by paul taylor <ptay1@miro.bestweb.net>
- 54) [57684] Micro Keys
by "Dan W. Dooley" <dandooley@pipeline.com>
- 55) [57685] Re: Getting feedline into house
by Curt Milton <wb8yyy@yahoo.com>
- 56) [57686] Re: Parallel feedlines and static discharge
by Doug <doug@wtp.net>
- 57) [57687] Re: Ham Radio for Kids
by Daniel Bartlett <ausham@rocknet.net.au>
- 58) [57688] Feedline etc
by Pete Burbank <plburbank@kih.net>
- 59) [57689] Results of the December Spartan Sprint
by Russ Carpenter <russ@natworld.com>
- 60) [57690] New Call - KV4CZ - ex kf4eib Gordon
by KF4EIB@aol.com
- 61) [57691] RE: Ham Radio for Kids
by "Dan W. Dooley" <dandooley@pipeline.com>
- 62) [57692] CLUB: New NOGA CLUB Web Page Update with Dec 99 Meeting Notes
by Sam Billingsley <SBillingsley@usaninc.com>
- 63) [57693] Re: Ham Radio for Kids
by zmola@campbellsci.com
- 64) [57694] Re: HW-8 parts info needed
by kc8aon@juno.com
- 65) [57695] Re: FOX: KF4AR report
by K1JD@aol.com
- 66) [57696] Re: New Call - KV4CZ - ex kf4eib Gordon
by "John Paul Keon" <jpkeon@worldnet.att.net>
- 67) [57697] N/T+ Log for Trey ...

by "Wilford D. Lindsey" <70511.3041@compuserve.com>
68) [57698] Re: Feedline etc
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
69) [57699] OH ! DEAR HOTWATER.....!!!!!!
by "Andy GM0NWI" <gm0nwi@tesco.net>

Date: Wed, 08 Dec 1999 17:44:17 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57631] Re: 'Tis the season - clipart (ham)
Message-ID: <384E98F1.AC588973@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sri....messed up one of the URL's.

<http://www.ac6v.com>

Surf around in this one. He has some really great links.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Wed, 08 Dec 1999 20:06:03 -0500
From: KD1YV <kd1yv@mindspring.com>
To: henryf@quartz.gly.fsu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57632] Re: Italian Call lookup
Message-ID: <384F007B.2A32A564@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ummm ... I heard that phrase on The Sopranos. I think it means "We whacked it." <grin> (sorry, I couldn't resist :-)

72/73 de Jim, KD1YV

Henry Freedenberg wrote:

> One of my co-workers asked me to find an adr for IZ3A0Z. I dont have a
> foreign callbook and the Italian call server is "momentare sosopre"

> (which I think means momentarily suspended). Can somebody help me with
> and adr? Pse reply offline.
>
> Tnx
>
> Henry

Date: Wed, 08 Dec 1999 17:10:09 PST
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [57633] FS:QRP Rigs
Message-ID: <19991209011009.41713.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The following is for sale, nice shape, from a local's estate:

OHR-400 - \$225
OHR-100A 30M - \$100
OHR DD-1 - \$65

All prices are shipped in the US, manuals included. Details on request.

Alan, N3BJ
Bent Mountain, VA

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 6 Dec 1999 23:33:16 -0500
From: "Jim Francoeur" <jrfrancoeur@freewwwweb.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57634] Re: Peltless Hound
Message-ID: <000201bf41e4\$d31e7200\$b14146d8@tp760e>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I didn't even find the Fox tonight. It hurts to hear everyone in the
4,5,6,7,8,9,0 talking to him and not even hear the Fox in your own back
yard.

Tom, It's tough to be a fox hunter in the Northeast...so far from those 5's, 6's, and 7's, but I have noticed that you are doing well this year. What are you using for an antenna?

Jim Francoeur KC1FB QRP-L #29
Norwalk, CT

-----Original Message-----

From: K1JD@aol.com <K1JD@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, December 06, 1999 10:17 PM
Subject: Peltless Hound

>Tom:

> So close yet so far! Propagation just wasn't going to support a QSO
>tonight between NY and RI. I could get a letter now and then, but that's
>about it.

Date: Wed, 8 Dec 1999 17:34:49 -0800
From: Doug Hendricks <ki6ds@dospalos.org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [57635] Zombie Shuffle Pin Info
Message-ID: <01BF41A2.89E72EC0@dialup-16.dospalos.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Guys, the Zombie Shuffle pins were ordered on Dec. 1st, and will take =
about 6 weeks to get here. Then when they arrive, I will ship them to =
Jan, N0QT, who will distribute them to those who have sent in their logs =
and requested one. Sorry, but if you did not send in your log and =
request a pin, it is too late. The pins cost \$3.50 each in quantity of =
100 (There is a heavy duty setup die charge of \$100 and the pins are =
\$2.50 each, so that is where the \$3.50 each comes from.) The price =
drops significantly when you have 250 and up quantities. If you want =
to know what the pins will look like, look at your zombie badge, and =
where it has the signatures of all the zombie digintaries at the bottom, =
replace that with Shuffle 99. The pin is 1.25" tall by .75" wide, and =

is exactly the same color as the badge. Should be a collectors item.

The \$2 that you mailed for the pins and certificates is to cover the =
cost of mailing. QuickSilver Printing donated the custom designed =
certificates, and NorCal donated the pins.

Sorry for the delay, but we had to get an idea of how many logs were =
turned in before we could order the pins, and there was just no other =
way to do it.

72, Doug, KI6DS

Date: Wed, 08 Dec 1999 20:52:31 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57636] FS: Whiterook MK-64MB Paddle/Keyer
Message-ID: <384F0B5F.EB090CC0@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Whiterook MK-64MB Mini Paddle/Keyer.
Many keyer features. Has memory and beacon mode.
As New condition. Maybe 30 minutes of use.

More info at:
<http://electronicsusa.com/mk64.html>

\$60.00 new...will sell for \$40.00 shipped in the US.

Will trade for Nor-Cal paddle kit or similar key.

73
Paul AJ4Y

--
Polk County Chapter American Red Cross:
<http://www.redcross.org/fl/polkcounty>
Florida Contest Group:
<http://www.qsl.net/fcg>

Date: Wed, 8 Dec 1999 19:53:08 -0600 (CST)
From: tatkins <tatkins@unix1.sncc.lsu.edu>
To: qrp-l@lehigh.edu
Subject: [57637] Last Update of stuff left for sale
Message-ID: <Pine.A32.3.95.991208194856.40906A-100000@unix1.sncc.lsu.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ok, folks, here is what's left. Also I reduced some prices again.

QRP Items for Sale: (All items include manuals/documentation)
All prices listed include priority mail shipping.
First person to email me about an item gets dibs on it.
I will update the list daily until all items are sold.

2. Norcal NC20 + 10 turn pot + suggested mods. This is my baby
and I hate to get rid of it. Many QSOs made with this box. Not
a perfect "10" in looks, but packs a wallop. Price: \$125.00

3. Norcal 40a with keyer option, completely built, with 10-turn
pot. Needs alignment and tinkering because I never fully aligned
it after installing the 10 turn pot. Price: \$125.00

7. Howes Digital Frequency Display. Never tested, I bought
it on QRP-L! Price: \$25.00

Thanks,

Todd Atkins, K4MSW
Baton Rouge, Louisiana
tatkins@lsu.edu

Date: Wed, 8 Dec 1999 21:52:27 -0000
From: "Walt Amos" <waltamos@surfree.com>
To: "Qrp-l Posts" <qrp-l@lehigh.edu>
Subject: [57638] ANT: regarding getting open wire inside
Message-ID: <005201bf41e9\$11df5e60\$599d0c26@waltk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

I got a carbide tipped drill bit the size of #18 copper lashing wire and DRILLED my GLASS !! I run the #14 plastic 450 ohm open wire (twisted slightly) to the within 6" of the window and then solder it to the 1" space lashing wire that goes through the glass! About a foot inside it terminates on the center lugs of an OLD ceramic knife switch, throw it one way and both leads go to GROUND , throw it the other way and the antenna goes to my BIG OLD DRAKE 1 KILOWATT PIE NET TUNER (MN-2700) big ugly sucker but not much loss in that box !! :-) Works qrp just fine, never had it arc over at 5 watts :-)

Walt K8CV Royal Oak, Michigan QRP-L # 935 ZOMBIE # 188

Date: Wed, 8 Dec 1999 20:02:55 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@lehigh.edu>
Subject: [57639] Price reduced on HW-9 setup.
Message-ID: <199912090202.UAA02216@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello all,
No Interest on this so will drop the price...

I bought this HW-9 setup... was hoping to use it as a backup rig... but had a setback. So I will offer it to QRP-l. This would be a great beginners setup. It's the HW-9 rig that has the WARC Bands, HFT-9 tuner, HD-1410 paddle/keyer, and PSA-9 power supply. This is not in new condition or collector quality. Some of the cases have scratches and the front panels look good. Somebody has marked the knobs so the settings are more visible from the front. I would prefer they hadn't. Also will throw in the HW Handbook.

Priced dropped to \$300.00 for the entire package... shipped. please let me know if you have any questions.

Thank you,

Kelly Ellison - WB0WQS - QRP-L #702

Date: Thu, 09 Dec 1999 02:23:22 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: "Wilford D. Lindsey" <k0EVZ@arrl.net>, "aj4y@arrl.net" <aj4y@arrl.net>, Fred J Kalt <w2xn@juno.com>, Mac Steinmeyer <macstein@aol.com>,
QRP-L <qrp-l@Lehigh.EDU>
Subject: [57640] FOX #14 - AF4AR - Where did he go?
Message-ID: <384F1299.5EF3F336@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick, AF4AR, was the loudest FOX of ALL TIME
here in SW Florida from 0100 to 0200 and then nothing?.

Where did he go?? Rig trouble?

Even if the band went "long," shouldn't we
be able to hear the "Western Hounds."

By the way: The following hounds were pounding
into FW Florida - clear as a bell:

K5ZTY, N0EA, N0DT, K0EVZ, K5VUU,
KB9IUA, AF5Z, K5JHP, K5LN, K1VP,
NT1R, KQ5U, W5FN.

72/73

Tom, N1TP QRP-L # 1317

.

Date: Thu, 09 Dec 1999 02:42:19 +0000
From: "David Hurley,n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57641] Re: FOX #14 - AF4AR - Where did he go?
Message-ID: <384F170B.7D62699D@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What fox! Can't hear no fox up here in New Jersey!

Geeze! The contact with the Polar Lander was easier than catching the
fox tonight.

David Hurley,n2zhy
Princeton,NJ

Date: Wed, 8 Dec 1999 18:52:57 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [57642] fox: test message, pls disregard
Message-ID: <19991209025258.FXTZ22589@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
url: <http://alan.kaul.home.att.net/>
e-mail: w6rcl@amsat.org

Date: Wed, 8 Dec 1999 19:08:53 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57643] FOX #14 - AF4AR
Message-ID: <Pine.GS0.4.10.9912081903110.1652-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

At the start of the hunt, Rick was only a little wisper
of a whistle in the background noise!

I called a few times but soon stopped. It was becoming a
real zoo on his frequency! I thought I'd just go eat dinner
and let the band change a bit. And let the excitment level
drop a bit.... :-)

After dinner, about 0245z I went back into the shack and Rick
was now only about a half a little wisper in the background noise!

But I moved up to where the last station was worked and he got
part of my call the first time. Gave him a repeat and like the
old saying... it's all over but the crying!

Thanks for the pelt Rick. You did a fine job grabbing calls out
of that noisy pack! :-)

The skunk is still avoiding the trap.... so the score tonight

is only one pelt.... but there is still time for the other
before midnight.... :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Thu, 09 Dec 1999 03:13:46 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [57644] FOXHUNT #14 AF4AR Rick in NC
Message-ID: <384F1E6A.667731C4@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRP-L Hounds:

Very interesting (but also very strange) conditions during
HUNT # 14 tonite. Rick, AF4AR, was HUGE into
SW Florida for the first hour or so, and then he just
disappeared (like a ghost in the night) for about 35 to 40 minutes.
Then he steadily built back up again during the last 20 minutes.

After 0240 I clearly heard him work K5RV and K1MG,
and (I think) KI0II and W5SB (I got distracted).

Damn, my beam got caught in my G5RV and the
calibration with my Hy-gain rotor meter is off so far
I can't correct it with the calibration dial. I'll need to fix
it tomorrow. Bah, Humbug.

72/73,

Tom, N1TP, Naples, Florida QRP-L 1317

"Almost in the Everglades".

Date: Wed, 08 Dec 1999 20:21:01 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Thomas Kuehl <ac7a@gci-net.com>
Cc: qrp-1@lehigh.edu
Subject: [57645] Receivers: CW Filters, Dealing with SCAF Artifacts
Message-ID: <199912090321.VAA01862@ogopogo.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Tom and All - Thanks for your comments. I am glad my comments prompted Tom to discuss his contributions to the Y2K Handbook. I camped next to Tom last summer at Tuthill and he told me about his Handbook revision then. I wasn't sure it had took and hoped my comment would prompt him to update us. He did. By the way, this is a great thing about Tuthill - camping helps you meet people you would normally not! Both my wife and I are looking forward to seeing Tom again next summer.

I will get a copy of the Y2K handbook just to see Tom's input. Just need to wait until after Christmas to insure that I don't get one as a gift. My wife works in a book store.

I was a bit surprised about Tom's comments on preferring the analog op amp based filters to the Switched Capacitor Audio Filters (SCAFs) I suggested. I am used to being on the older technology end of these discussions! I have 10 years or so on Tom and would have thought he would be at least 10 years ahead of my preferences in technology.:^)

The artifacts Tom mentioned, aliasing, images, and switching noise are real and can be problems with SCAF's. But like many problems, they can be minimized with proper attention to design techniques.

In particular:

1. The SCAF digital should be used where the signal is fairly large in the audio chain. The signal to noise ratio is best when used at input signal amplitudes of 1 to 1.5 volts. They are well suited for outboard amplifiers where the signal is already fairly high. If built into a receiver they should be used just prior to the last audio amplifier stage. At input signal levels of 1 to 1.5 volts the signal to noise ratio can be 70 db or better for a modern SCAF. To put this in perspective; with an S0 noise floor this corresponds to a S9+20dB signal.

2. With respect to 1) additional gain in front of the SCAF can be provided by op amps configured as active filters. This provides even more selectivity.

3. Aliasing consists of signals that are near to the clock frequency that are "aliased down to the audio band of interest. This is similar to the mixing process in a heterodyne receiver. Since this frequency is 50 or 100 times removed from the frequency of use, the signals causing aliasing can be eliminated with simple low pass filtering. Usually a single RC filter is adequate for this function. Some of the SCAF chips available have undedicated op amps included that can be used as an active filter to reduce the aliased signal.

4. It is important that any signals in the receiver near the clock signal be eliminated. Occasionally parasitic oscillations that go unnoticed can cause noise when used with a digital filter. LM386s can be problematic in this respect. See Paul's book on how to eliminate the oscillations in the LM386.

5. Clock generated noise can be reduced with a simple lowpass filter at the output of the filter. The included op amp can also be used for this purpose.

Dan's designs that I referred to on Bob's web page are well designed with respect to the issues I raise above.

For those who want to use analog filters I suggest trying one of the "universal filter" integrated circuits. These chips provide the opamps and capacitors needed to build a state variable active filter. They are available from various manufacturers in 2, 4, and 8 pole (1, 2, or 4 sections) versions. The user just needs to provide 4 resistors per section. The resistor values are varied to change the response (Bessel, Butterworth, Cauer, elliptic, and others) and Q of a filter. These chips have the advantage of incorporating precision capacitors, 0.5%, on the chip. Precise capacitors are the most difficult component to obtain when building filters.

Both the SCAF and "universal filter" chips are made by Burr-Brown, Linear Technology, Maxim, and National Semiconductor among others. Chips from these vendors are available from Digi-Key. Data sheets and application notes can be found on their web sites.

Thanks for the comments Tom. I hope that this helps someone. - Dr. Megacycle
KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Wed, 8 Dec 1999 22:34:22 -0500
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>

To: <n3at@noln.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57646] Re: Zombie shuffle pins
Message-ID: <029201bf41f6\$49c571e0\$0100a8c0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was just thinking the same thing. Any body know what happened to them????

Jan? Paul?

----- Original Message -----

From: C. Lamar Derk <n3at@noln.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 08, 1999 6:43 PM
Subject: Zombie shuffle pins

> Has anyone heard anything more about the pins and certificates that were
> to be given to those who participated in the "Shuffle"?

>

> Lamar - N3AT

>

Date: Wed, 8 Dec 1999 19:52:09 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Dave Ek <ekdave@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57647] OLD RADIOS: Vibrators
Message-ID: <Pine.GS0.4.10.9912081940290.1858-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Dec 1999, Dave Ek wrote:

> Gang,

>

> Here's a thought: I have an old (~1937) Coronado tube radio (AM) which I
> run from a 6V gelcel. According to a learned friend of mine, the radio was
> designed for farm use where there was no AC available (but very possibly a
> wind generator for charging batteries, as my father recalls from his days
> on the farm in the 30's). At any rate, the radio uses a mechanical vibrator
> to create what amounts to a square-wave at 6V, then passes it through a
> transformer to step up this crude AC to 90V or so, then rectifies it in the

> usual fashion to supply the plate voltage for the tubes. The vibrator
> reminds me of the old telegraph buzzers I used to make out of strips of tin
> and nails and wires when I was a kid. Just a thought.

Hi Dave,

All the old car radios were 6 VDC and used vibrators. Some, like for the old Fords, had the Positive lead going to ground and the negative lead going to the battery!

(For you young folks, Fords and most English cars of the time, used positive ground..... the positive side of the battery went to ground and the negative side was "hot".....)

Anyway, we all learned to pull the vibrators out, bend the little tabs out that held the cover on and get to the "guts". The contacts would arc and soon the vibrator would stop working. With care you could clean the contacts and the radio was back to working again!

Being a young kid, there was no money for anything fancy like a burnishing tool and a fine file was a sure way to ruin the contacts. So we used the "striker" from a pack of "gofer" matches. Gofer matches were the early paper matches.....the kind that you would strike and when it didn't light you would "gofer" another one!

Ahhhhhhh, the memories.....sitting there in the hills overlooking the city with all it's lights, listing to the buzz from the vibrator in the back ground while listing to some music and trying your best to corrupt some sweet little innocent thing.....when the station would get weaker and the vibrator buzzing would start sounding different..... Oh No.....the battery was going dead! :-)

Rule #1. Always park at the top of a hill so all you have to do it release the breaks and off you go! :-)

Of course if you really wanted to run a battery down you used a PE 103 to run something like a 2E26 or if you really liked pushing, a 6146.

Yep.....them's the good old days....

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 8 Dec 1999 20:53:59 -0700
From: "Rod Cercone" <rlc@frii.com>
To: <n1tp@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [57648] Re: FOXHUNT #14 AF4AR Rick in NC
Message-ID: <037601bf41f9\$bba682c0\$c38611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom, et.al.

Weird here in CO too. From 0130 to about 0145 Rick was 119-229 with QSB. I only found him by hearing where the hounds were not. ;-) I heard Midwest & TX stations fine. Then from 0145 to 0200 40 just faded away, dead parrot, no Fox, no hounds, no sigs up or down a few KHz--Just Static. I went upstairs & did the dinner dishes--Folks it's a said night for Foxhunting when doin' the dishes takes precedence! ;-(

About 0230 I returned to the airwaves. Sigs were back, barely, Rick was 229-439 with plenty of QSB & QRN(S9 Crashes here). Things finally came together enough & I was able to bag him with a 229 on my side, he gave me a 559, generous I think. He asked for fills but it was hard to hear what he was asking for. I think we got it done though.

Roughest one yet.

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----
From: Tom Palmer <n1tp@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 08, 1999 8:13 PM
Subject: FOXHUNT #14 AF4AR Rick in NC

> QRP-L Hounds:
>
> Very interesting (but also very strange) conditions during
> HUNT # 14 tonite. Rick, AF4AR, was HUGE into
> SW Florida for the first hour or so, and then he just

> disappeared (like a ghost in the night) for about 35 to 40 minutes.
> Then he steadily built back up again during the last 20 minutes.
>
...

Date: Wed, 8 Dec 1999 23:02:47 EST
From: REDSBOY@aol.com
To: qrp-1@lehigh.edu
Subject: [57649] New Battery Power Source-WOW!
Message-ID: <0.75ce713e.258083e7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A few days ago I posted a message asking for opinions/info on the Power Station. Several of you took the time to respond, and some wanted a summary of the answers posted. I did that.

I ordered, and today I received a "battery pack" that I had not heard of previously. It's a 12v 7ah dandy that really has impressed me, but then I am easy to impress. It really is nice and comes complete with ALL the goodies. And it's the least expensive one I have seen. It is easily "lugable" with a nice carrying case, but it is not what you would want to carry on a long backpacking trip. If you are interested in the details, send me an e-mail. Don't post a query on the List - too much bw.

I am not trying to sell these things and I have no commercial interest in them. Folks were willing to share info to help me, and I'm just trying to reciprocate.

Regards,

Karl - W4UTI

Date: Wed, 8 Dec 1999 20:03:12 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: radioham@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57650] Re: WAS from Multiple Locations
Message-ID: <Pine.GS0.4.10.9912081957110.1858-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi,

If I remember right the old rule from the ARRL was that you had to complete your WAS from ONE state. But that was changed to a mile area to cover those who might move one mile across a state line and have to start all over again!

And if you could drive all around the country to work each state when you could throw a rock to it, it sure would have no meaning!

Look at the 160m QRP WAS I'm trying to get. Only 3 to go.... :-)

But if I could drive right next to the three that I need, I'd sure not bother even trying.

Part of the fun of WAS is doing it all over again when you move!

Just look at how they cheapened DXCC by dropping the QTH rule. Now you can go from one coast to the other and still count it toward one DXCC. In fact, you don't even need to use your own station. You can use a super station on each coast to do it. (And in fact, some have!).

Sure makes DXCC not much of an award.

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 08 Dec 1999 23:17:53 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [57651] Re: Getting feedline into house
Message-ID: <384F2D71.26AB1FE9@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All of the stated ideas are very interesting but I still would like to know a good way to set up a ladder line feed for bleeding off static discharges. No, I don't want to use knife switches cause i'd like to

keep the discharge path outside of the house if possible.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 8 Dec 1999 23:32:12 EST
From: N7YA@aol.com
To: qrp-1@lehigh.edu
Subject: [57652] Re: Obsessed!
Message-ID: <0.cd141b27.25808acc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 12/8/1999 3:25:46 PM Pacific Standard Time, we6w@qsl.net writes:

<< The XMAS tree has been installed at work. My first thoughts were about where the other end of my stealth dipole should be connected.

No problem where to connect on the 14 foot tree :) >>

I hear ya!! but the only problem i see is qrm from the blinking lights...they played hell with my rx last year, my shack was in the livingroom right next to the tree and all i kept hearing was this incessant POP POP POP!!

Hooking an antenna to it may bring back memories of the woodpecker!!!

73...Adam, N7YA

Date: Wed, 8 Dec 1999 20:31:54 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57653] Re: Getting feedline into house
Message-ID: <Pine.GS0.4.10.9912082028430.2245-1000000@rotor.dri.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Dec 1999, T.J. "SKIP" Arey N2EI wrote:

> All of the stated ideas are very interesting but I still would like to
> know a good way to set up a ladder line feed for bleeding off static
> discharges. No, I don't want to use knife switches cause i'd like to
> keep the discharge path outside of the house if possible.

Hi Skip,

I use resistors from the center conductor of coax to ground.

Same idea should also work for ballanced line.

I use a value of about 10K and a wattage of 1/2 watt because
this is what I had laying around! :-)

None of these little "tricks" will stop a major lighting
event!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 8 Dec 1999 23:38:17 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [57654] LQQKING QRP to buy
Message-ID: <0.263b54be.25808c39@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang,
I'm looking for a SST-40.
Will take a bare bones rig but one with the MODS is what I'm really looking
for.
Thanks and good DXing
Bob

WA2HOQrp <tm>

Date: Wed, 8 Dec 1999 20:38:40 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57655] Re: OLD RADIOS: Vibrators
Message-ID: <Pine.GS0.4.10.9912082034050.2245-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Almost forgot.....

Most of the "after market" radios had a little "plug" that could be inserted two different ways.

One way made it a Positive ground and the other way made it a Negative ground.

Just one more thing you had to look for before hooking up the power!

And only those "rich folks" could afford to buy something like a Sam's Photo Fact. Us poor folks had to sit down and draw the schematic from the radio.

Does anyone remember just how long a filter cap will hold a charge when a bleeder resistor opens??? I do..... it will hold a charge just fine until you touch it! :-)

YesSiree.....them was the good ole' daz.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 8 Dec 1999 23:43:47 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [57656] Auttek Research QF-1A Info?
Message-ID: <00d301bf41ff\$fc033dc0\$a3a854d1@locke>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently acquired an Autek Research QF-1A audio filter but it had no instructions. Could someone direct me to some info about it or give me some basic instructions about how to use it?

Thanks!

Denny Payton, N9JXY
Auburn, IN

Date: Thu, 9 Dec 1999 00:12:31 EST
From: K5KW@aol.com
To: qrp-1@lehigh.edu
Subject: [57657] Ladder Line Static Bleed
Message-ID: <0.13259f15.2580943f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On 8 Dec 99, Skip Arey, N2EI Wrote:

"All of the stated ideas are very interesting but I still would like to know a good way to set up a ladder line feed for bleeding off static discharges. No, I don't want to use knife switches cause i'd like to keep the discharge path outside of the house if possible."

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Skip,

One old timer I knew (now an SK) had a pretty unique method of bleeding off static from his 600 ohm open wire feed lines BEFORE they entered the house. He mounted a well grounded steel pipe just outside the shack window. He welded a flat metal plate atop the steel pipe, and drilled and tapped two holes the size of automobile spark plugs spaced about 6 inches apart, which I believe was the width of the open wire spacers. He simply hooked each side of the open wire feeders to the top screw connector of each spark plug as the feed line draped down toward the window of the shack. He gapped the plugs so they wouldn't arc during transmissions, but would bleed off the static discharge on the line through the plug to the grounded steel plate.

As for entry for the open wire feeders into the shack, he cut a piece of thick plastic stock about five inches wide and as long as the width of the window sill. He opened the window, put the plastic in place, and shut the window on it. He had previously drilled a couple of holes in the plastic and mounted a couple of ceramic feed through insulators (the huge type you see at ham fests that came off war surplus gear) spaced the width of the open wire feeders. That provided excellent insulated entry of the feeders to the shack, and he worked the world..safely.

72,

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

Date: Thu, 9 Dec 1999 00:16:03 EST
From: SKIPNC90@aol.com
To: resmith666@uswest.net, qrp-1@lehigh.edu
Subject: [57658] Unrelated subjects., RE: Actual Messages sent
Message-ID: <0.be8d120f.25809513@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Rod I was thinking the same thing. I guess they don't know how to post to the list so they grab an E-mail and tack on for the ride.
Hey uninformed ones and those who forgot, to post to the list just sent to: qrp-1@Lehigh.EDU
Then do something original add your very own subject and start a thread yourself... :-)

73, Skip Davis NC90

Date: Wed, 08 Dec 1999 23:19:54 -0600
From: "George T. Baker" <w5yr@worldnet.att.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57659] Re: OLD RADIOS: Vibrators
Message-ID: <384F3BFA.730B3D00@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Back during WWII when replacement radio parts were hard to come by for a lot of civilian radios, we used to "resurrect" defunct vibrators by taking them apart, reworking the contacts, etc. Usually we could restore some operation more than half the time.

I hadn't thought about taking a vibrator out of the case since 1945!

"Thanks for the memories!"

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972

Date: Wed, 08 Dec 1999 22:32:58 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Qrp-1@lehigh.edu
Subject: [57660] CW:Commercial Outboard Filters (long)
Message-ID: <199912090532.XAA22547@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The recent discussion of active filters reminded me that I have been putting off posting my comments on some commercial outboard CW filters I have been using recently.

With the widespread introduction and adaption of DSP filters, older outboard active filters are widely available at cheap prices at most HamFest Swapmeets. I started buying them a couple of years ago and have a collection of several. I thought you might be interested in my comments on them.

Radio Shack DSP

Radio Shack introduced these about 5 years ago at \$85. While they had a CW position to appeal to Hams, they were aimed at CBers. CBers didn't buy them and Radio Shack closed them out at steeper and steeper discounts, \$45, \$35, and the final few went out the door at \$25. These are usually available at \$20 to \$30 at swap meets. I think they represent a good value at that price. I paid \$20 for mine.

The Radio Shack is a bare bones digital signal processor. It provides frequency selectivity and an automatic notch filter (in the SSB positions) only. There is no noise reduction function despite the switch label. In the NR position the SSB filters have a higher bass cut and lower treble cut which makes most voices sound funny, but does little to reduce the noise.

The filter skirts are steep and effective in eliminating off channel interference. The CW filters are centered at 700 Hz. Since I prefer a lower note, I have problems using it at the narrowest setting. The filter imparts a slightly raspy undertone to both CW and SSB. It is more objectionable to me on CW. I must admit I used the filter for many months and thought it was good. Then I got the DaTong (see below) and found out how good studio quality could be in a steep filter. If you are into voice the automatic notch filter is very good. It makes 40 M at night an entirely different band. The amplifier and speaker sound very good when the filter is switched out. The speaker is better than that built into most rigs. At \$20 this is probably a good buy just for the amplifier and speaker!

It is not a Timewave or NIR, but it is a good introduction to DSP. It is the ideal companion for an older, inexpensive rig such as the HTX-100 that has minimal filtering built in. I use it with my HTX-100 and 2 meter multimode rig.

I think that these filters have an undeservedly poor reputation in many quarters. I know an excellent op who loves his and leaves it connected in the mid CW position all the time. They are not state of the art DSP, but they are very useful in many applications.

The DSP requires an external 12 V to run which means it can be used portable. It draws half an amp or so though.

DaTong FL-3

This has to be one of the high points of analog design in amateur radio. It has an automatic notch filter implemented in analog circuitry, separately adjustable high and low pass filters, two different peak functions, a manual notch function, and the ability to put the notch in the middle of the peak function for RTTY use. Built in England, it originally sold for between \$200 and \$300. They appear at swapmeets for between \$40 and \$60. They are an excellent value at this price. I paid \$35 for mine. The FL-2 is similar, but does not have the automatic notch function.

This is my favorite filter. I use it in almost all of my operating. It is nearly infinitely adjustable and has excellent audio quality. The audio amplifier is only capable of driving headphones though, so if you like speaker audio an external amplifier and speaker are necessary. The Radio Shack DSP is good for this purpose. :^)

The filters are 5 pole elliptic and bandwidths down to 100 Hz are easily obtained with little objectionable ringing. The notch is steep and effective. The automatic notch feature is as quick as that on the Radio DSP, but it only handles one heterodyne at a time.

The filter requires external 12 V and is useful for portable use.

It is hard to say anything bad about this filter. I love mine and am tempted to get another one.

Autek QF-1

This is a simple barebones audio filter. Built in the 70s it sold for \$75 or so. They were soon replaced by the QF-1A (see below); a much different filter than the adding of an "A" would indicate. They are not too common at Hamfests. I paid \$8 for mine. The seller was asking \$10. I consider it a good value at that price. It has peak, notch, and lowpass functions. The frequency and selectivity are separately adjustable.

This is a simple filter to operate and use. It is capable of bandwidths as narrow as 75 Hz before ringing becomes a significant problem. The filters are 4 pole I believe. The ringing at narrow bandwidths, while not bad, is not as good as the DaTong. This filter has a headphone output, so an external amplifier is necessary to use it with a speaker.

I leave this filter connected to my OHR Classic when using it in the shack. Although it could be used on voice I have not done so since the DaTong is much better for voice.

This is a good, basic, easy to operate filter.

The filter is AC powered and there is no provision for external DC power. The QF-1 off switch does not bypass the filter, so when it is turned off you don't get any audio at the output.

Autek QF-1A

This is a different filter than the QF-1. Sold for \$100 from the late 70s through the early 90s, it is fairly common at swapmeets. They sell for \$20 to \$40. At \$20 they are a good buy, but at the higher end of the range I would avoid them. I paid \$20 for mine.

To the QF-1A, Auttek added a high pass function and an auxillary manual notch filter. They also labeled the selectivity and frequency knobs with frequencies, but this does not make the filter easier to operate.

The filter has similar performance to the QF-1. I find it a bit more confusing to operate though. I have operated it in tandem with the QF-1 using the QF-1A as a high pass filter and the QF-1 as a low pass filter to get a bandpass function with variable low and high cuts. While cumbersome, the two provide effective filtering.

The filter is AC powered. No provision is made for driving a speaker. Auttek provided a hole in the back panel for an external DC connector and provided instructions for hooking up external power in the instructions. Thus it could be made to work in a portable situation.

Of all my filters I use this one the least. It is not a bad filter. I think that the extra functions that I do not use put me off somehow. KISS. :^)

The off switch bypasses the filter so unfiltered audio can be heard when the filter is off.

Both of my Auteks have some AC hum. I don't know if this is inherent in the design or if I have a ground loop that I need to pay attention to.

EG&G 114 Signal Conditioning Amplifier

This is not an amateur piece of gear, but a commercial piece of test equipment designed for precise measurements. It has both low and high pass filters seperately adjustable from 10 Hz to 100 kHz in 1,3,10 steps. The input modules are changeable. I only have a 50 Ohm differential input module. The gain is variable from 1 to 10,000. It has 50 Ohm and 600 Ohm outputs. I paid \$5 for it in a test gear auction. I am sure it sold for \$500 to \$1000 when new.

This filter is not designed for amateur use, but with the high pass filter set for 300 Hz and the low pass set for 1000 Hz it makes a nice CW filter and with the low pass set for 3000 Hz it makes a nice voice filter.

The filter is AC operated and quite big; twice the size of my OHR Classic. Definitely not for portable use.

I put this in to let you know that equipment not designed for Ham radio use can be quite useful. Similar amplifier/filters are also made by Khron-Hite, Beckman, and Ithaco. If you work for a high tech company you might survey the surplus list for similar amp/filter combinations. They are very useful as CW filters. I spent more on adapters for the BNC connectors than I did on the filter.

MFJ

In the 70s MFJ made several inexpensive CW active filters with selectable bandwidths of 80 Hz, 120 Hz and 180 Hz (?). At one time you could buy a bare board version. MFJ sold scads of these. Before I became interested in active filters I used to see them at nearly every hamfest I went to. Now that I am looking for one I have not seen one in several years! These should be inexpensive. I used one when they were first brought out and recall it as being effective. I would like to have one to compare to my other filters. I think it operated with a 9 V battery so it would be nice for portable use.

OHR

OHR made a switched capacitor filter, the SCAF-20 (?), until National Semiconductor stopped making the MF-8 chip it used. I don't have one, but I used one that Roger Hightower had at the 4 corners event. It is a bandpass filter only, but has selectable bandwidths. I recall it being easy to use

with no perceptable digital noise or artifacts. These should be available for near the price OHR sold them for, \$50, and represent a good value at that price.

I hope that these thoughts are useful. Use them at the next swapmeet you go to.- Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Wed, 08 Dec 1999 23:50:21 -0800
From: Jim/Julia <w7ls@blarg.net>
To: qrp-1@lehigh.edu
Subject: [57661] TenTec PM-3A and AC supply for swap
Message-ID: <384F5F3C.47F5C51B@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I have a TenTec PM-3A and it's matching AC supply for swap. I'm looking for older military HF manpack stuff, such as the PRC-64, 74, or even vhf stuff like the PRC-25 and PRC-77, or the PRC-68. Let me know what you have and maybe we can sling radios through the mail. Thanks.
Jim W7LS

Date: Thu, 9 Dec 1999 03:46:33 -0500
From: Howard D Rubin <n3fel@juno.com>
To: w5yr@worldnet.att.net
Cc: qrp-1@Lehigh.EDU
Subject: [57662] Re: OLD RADIOS: Vibrators
Message-ID: <19991209.041458.6974.4.n3fel@juno.com>

George,

One of the first "mods" I made to my Dad's '53 Plymouth radio was a transistor inverter substitute for the mechanical vibrator. Worked like a champ. Cut down the routine trips to Pep Boys.

Howard, N3FEL

On Wed, 08 Dec 1999 23:19:54 -0600 "George T. Baker"

<w5yr@worldnet.att.net> writes:
>Back during WWII when replacement radio parts were hard to come by for
>a
>lot of civilian radios, we used to "resurrect" defunct vibrators by
>taking them apart, reworking the contacts, etc. Usually we could
>restore
>some operation more than half the time.
>
>I hadn't thought about taking a vibrator out of the case since 1945!
>
>"Thanks for the memories!"
>
>72/73, George
>Fairview, TX 30 mi NE Dallas in Collin county
>Amateur Radio W5YR, in the 54th year and it just keeps getting better!
>R/C since 1964 - AMA 98452 RVing since 1972

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Date: Thu, 9 Dec 1999 03:26:48 -0500
From: Howard D Rubin <n3fel@juno.com>
To: 70511.3041@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [57663] Re: Grounding shack equipment
Message-ID: <19991209.041458.6974.1.n3fel@juno.com>

Doc,

I ground mine at the output RF connector. If the rig doesn't provide a "lug" I make a simple feedthrough and provide one there. I can also include an SWR bridge, antenna switch, bandpass filter or matchbox at the output. I drove a 6' stake into ground right underneath the operating table (through the concrete floor!) and another outside the shack at the point of entry for lightening protection.

Howard, N3FEL
On Tue, 7 Dec 1999 22:08:02 -0500 "Wilford D. Lindsey"
<70511.3041@compuserve.com> writes:

>Gang:
>
>What about grounding gear in the shack? Should it *all* be grounded?
>Seems to me it should... But whereas my older gear such as the
>Kenwood

>TS-830 and older tuners have ground connectors, most newer gear
>doesn't.
>
>Therefore--what is the best procedure? Is the newer stuff so well
>designed
>that it simply doesn't need/want grounding? And if it should be,
>where
>should the ground leads be connected?
>
>Thanks in advance for any assistance.
>
>72,
>--Doc Lindsey/K0EVZ
> DSBF
> PO BOX 6028
> Bismarck, ND 58506
> K0EVZ@arrl.net

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Date: Thu, 9 Dec 1999 03:33:47 -0500
From: Howard D Rubin <n3fel@juno.com>
To: kreinbd@ccgate.dl.nec.com
Cc: qrp-l@Lehigh.EDU
Subject: [57664] Re: Getting feedline into house
Message-ID: <19991209.041458.6974.2.n3fel@juno.com>

David,

I initially tried using the plastic tube feedthrough than abandoned it for a larger diameter piece of PVC pipe that enters the attic just under the fascia at the peak. It actually goes through the wall and siding below the joist. I also provide a 45 degree angle downward at that entry point to ensure that water won't run along the cable and into the house. Then I stuff the inside of the PVC pipe with filler to prevent ingress of unwanted guests.

Howard, N3FEL
On Wed, 8 Dec 1999 10:23:47 -0600 kreinbd@ccgate.dl.nec.com (David Kreinberg) writes:

>
>Season's Greetings Gang,
>

>Wayne's topic of using the Radio Shack speaker wire for
>a stealthy feedline made me think of a topic I will soon
>be facing.
>
>Sometime in January I will be setting up the antennas in
>a new house. I would like to use a low profile/stealthy
>approach of running the feedlines into the shack. The
>feeds I will be using are the RS wire for a dipole, as
>well as some RG-8X for the vertical.
>
>Here's the rub: the house has a security system, so my
>method of using a board in the window frame is out. I see
>that RS has a clear plastic tube that passes through a hole
>you drill in the wall. Then you pass the feeds from the inside
>to outside and seal the thing.
>
>Anybody out there using methods similar to this? I am needing
>a low profile method to keep the wife and new neighbors happy.
>This will be going in the front of the house.
>
>Thanks for your ideas. Merry/Happy to all!
>
>73 de Dave, NR3E
>QRP-L #25
>nr Dallas, TX

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Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 09 Dec 1999 04:36:09 EST
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [57665] Re: Getting feedline into the house
Message-ID: <72323@w4bkx.ampr.org>

I installed a pair of ceramic chassis-feedthrough type insulators near the ceiling in the shack and drilled through the wall (concrete block) for #10 stainless threaded rod. The formula for parallel conductor feedline impedance using #10 was approx 3 inches spacing for 450 ohms. So I drilled the holes 3" apart. The ladderline goes from the tuner to the threaded rods inside the shack and continues from the connections outside the shack. See "THE WIREMAN" for static discharge devices.

de (Scott) W4PJ

P.S. There are barrel type coax connectors that are long enough to pass through the wall if you want to use coax.

Date: Thu, 09 Dec 1999 05:44:52 -0500
From: Charles Greene <cgreene@loa.com>
To: jamesd1@flash.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57666] Re: CW:Commercial Outboard Filters (long)
Message-ID: <4.2.2.19991209053901.00a9ca50@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:32 PM 12/8/99 -0700, James R. Duffey wrote:
>The recent discussion of active filters reminded me that I have been putting
>off posting my comments on some commercial outboard CW filters I have been
>using recently.
---snip---

I have a Heath Kit filter I built a few years ago. It is a SCF filter and has notch and band pass filters for SSB, dual peak filters for RTTY and a peak filter for CW. The filters are all adjustable manually. It's peak filters suffer from a ringing characteristic of analog filters, other wise its a nice unit.

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Thu, 9 Dec 1999 19:18:33 +0700

From: "Donny" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57667] ANT: Basic SWR question
Message-ID: <007301bf423f\$d5a50d80\$f6f192ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Talented group,

I have to confess that I am confused (maybe a bit dumb)
on this subject.

Is there a or what is the relationship of SWR and reflected
power?

I recall that one of my elmer explained to me about
SWR as follows:
the higher the SWR the bigger the reflected power.

>From the handbook I got the definition for Standing Wave
Ratio is the ratio of the maximum current and minimum
current on a transmission line or the ratio of the load
impedance and the transmission line impedance.

I see no relationship between reflected wave/power
and SWR.

This is to explain the rationale of using a ladder line
to feed a non resonant antenna thus high SWR.
If higher SWR have higher reflected power then
there will also a higher reflected power in the ladder
line???

Probably the antenna gurus here can help.

Any help will be appreciated.

vy 72 de Donny YB6LD/1
Bekasi Indonesia

Date: Thu, 9 Dec 1999 06:44:59 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'tjarey@home.com'" <tjarey@home.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>

Subject: [57668] RE: Getting feedline into house
Message-ID: <2D343922E283D211945C0008C7A41B2A013101C3@ADNTEX01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Check your ARRL handbook, Skip! Most of them show a kind of "spark gap" arrangement for use outside the shack/house to bleed off lightning and high-voltage static charges. Some folks have use automotive spark plugs, with the gap reduced, as "spark gaps". The spark plugs are mounted on a metal angle bracket (suitably spaced for the spacing of your ladder line) which is well-grounded. Each "leg" (wire) of the ladder line is then connected to the TOP of each spark plug; the gap of the plug is usually UNDER the surface of the metal mounting bracket (which helps shield it from rain and weather).

Karl K - W8TIF
McKinney

-----Original Message-----

From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]
Sent: Wednesday, December 08, 1999 10:18 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Getting feedline into house

All of the stated ideas are very interesting but I still would like to know a good way to set up a ladder line feed for bleeding off static discharges. No, I don't want to use knife switches cause i'd like to keep the discharge path outside of the house if possible.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 09 Dec 1999 07:58:18 -0500
From: brian@iquest.net
To: n1tp@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57669] Re: FOX #14 - AF4AR - Where did he go?
Message-ID: <384FA76A.E769A43C@iquest.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I could not hear him at 0100 in Indiana. I heard the hounds though!

So I went QRT for about 30 min hoping the QRM and the QSB would subside....tried it again, and nothing. I could hear just about all the hounds working him but I could not hear him at all....then he just disappeared...along with the hounds.

73

Tom Palmer wrote:

>
> Rick, AF4AR, was the loudest FOX of ALL TIME
> here in SW Florida from 0100 to 0200 and then nothing?..
>
> Where did he go?? Rig trouble?
>
> Even if the band went "long," shouldn't we
> be able to hear the "Western Hounds."
>
> By the way: The following hounds were pounding
> into FW Florida - clear as a bell:
>
> K5ZTY, N0EA, N0DT, K0EVZ, K5VUU,
> KB9IUA, AF5Z, K5JHP, K5LN, K1VP,
> NT1R, KQ5U, W5FN.
>
> 72/73
>
> Tom, N1TP QRP-L # 1317
> .

--

=====

KB9BVN :NORCAL #2792 FISTS #5695/CC# 764 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - TenTec Scout - Attic Dipole - 5w
Proud member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4

=====

Date: Thu, 09 Dec 1999 08:11:55 -0500

From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [57670] Wyoming
Message-ID: <384FAA9B.4883@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Are there any Wyoming stations out there? As the century winds down I find I am missing a Wyoming QSO for WAS. Somehow I think I have worked it but I have lost one of my logbooks and do not have the QSL. I would like to make a schedule with a Wyoming station. You can set the time and place.

73

Date: Thu, 09 Dec 1999 06:39:20 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: dpayton@fwi.com
Subject: [57671] Re: Autek Research QF-1A Info?
Message-ID: <384FB108.45732C6E@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Look at K4XL's site for manuals at: <http://bama.sbc.edu/>

I believe I saw the Autek in the index -well worth a visit to see what other manuals one may need - all downloadable.

73

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Thu, 9 Dec 1999 09:24:58 EST
From: Cw4n5iw@aol.com
To: qrp-l@lehigh.edu
Subject: [57672] FOX: N5IW is FOX Monday, Dec.13,1999, 7PM CST
Message-ID: <0.3d60828a.258115ba@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

N5IW will be the fox next Monday night, December 13th at 7PM CST (12/14/1999 01:00Z)

I will transmit on 7.037 +/- depending upon qrm and condx.
I will be listening from 7.038 to 7.036, again this will depend on condx and I may slide a bit either way if qrm warrants.

Hope to work lots of hounds this Monday. Line noise has been a particular problem for me chasing fox this year. Hopefully I will get a respite from it and be able to hear lots of you.

I will be using a FT1000D at 5 watts into several different antennas: 80m loop (omni), 40m dipole (east/west), r7000 vertical (omni).

Exchange will be the normal:
(n5iw) CQ FOX de N5IW k
(hound) CALL 1x
(n5iw) CALL TU RST TX TX DAVE DAVE NR 1718 1718 BK
(hound) TU RST STATE NAME QRPL# (or PWR) BK
(n5iw) QSL TU de N5IW FOX QRZ

Cu on Monday night, I am sure it will be fun!

Dave, N5IW(x AB5WX) QRP-L 1718

cw4n5iw@aol.com
n5iw@qsl.net

Date: Thu, 9 Dec 1999 09:37:05 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [57673] FOX: KF4AR report
Message-ID: <v03102801b4756cb7f9fb@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy to all the hounds. What a night!!! QRM and QSB in NC were awful. Things were fine for the first hour, then it was like a switch flipped and everyone went totally away. I did have to QSY twice and I do appreciate the fine job of hunting that you folks did.

Maybe since turning 50 my mind is turning to mush, but I don't remember the Fox hunts having such lousy condx in the previous years. Folks who usually boom into Charlotte were just whispers in the noise.

I did QSY after 0200 to avoid QRMing the AR QRP NET. Just as I called CQ FOX on 7.039, the QRM cranked up there. Later I QSYed back up to around 7.041 and finished up there.

The logs will be posted later in the day.

Again thanks to all the hunters and I'm sorry I couldn't work everyone.

72,

Rick kf4ar

Date: Thu, 9 Dec 1999 09:39:41 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Kelly Ellison <kelman@dialnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57674] Re: Price reduced on HW-9 setup.
Message-ID: <Pine.LNX.4.04.9912090927180.3575-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Dec 1999, Kelly Ellison wrote:

> Bands, HFT-9 tuner, HD-1410 paddle/keyer, and PSA-9 power supply. This is
> not in new condition or collector quality.
> Priced dropped to \$300.00 for the entire package... shipped. please

Kelly,

I was tempted at \$350, and now at \$300 I have to go for it:) If it's not already spoken for let me know an I'll get check headed that way. And I'll split the shipping and insurance with you. You can wait for the check to clear, and then ship the radio. Just let me know when it goes and what the tracking # is.

Funny thing is, I already *have* an HW-9, PSA-9, HD-1410, HM-9, and HFT-9 that I use all the time, more than the ICOM 735. I just like the HW-9 that much:) WA8MCQ has my "extra" HM-9, so when that gets back I'll have a complete loaner setup for new hams, if I can bear to let it out the door.

Email me your postal address (a phone # would hurt either) and I'll get a check, mailing label, etc, out to you the next day.

tnx es 72

```
-- Chris Cartwright,   Technical Engineer   |   ccart@phideaux.com   --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 9 Dec 1999 09:44:20 -0500 (EST)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57675] Re: Price reduced on HW-9 setup.
Message-ID: <Pine.LNX.4.04.9912090941290.3612-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ooop! Sorry to post the reply to list, too fast on the return key...
72

```
-- Chris Cartwright,   Technical Engineer   |   ccart@phideaux.com   --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 9 Dec 1999 09:52:40 -0500
From: "Charlie Fitts" <cfitts@neca.com>
To: <qrp-l@Lehigh.EDU>
Subject: [57676] Re: Getting feedline into house
Message-ID: <199912091458.JAA03544@orion.neca.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Skip -

You could put the grounding knife switch outside the house..... :-).

That's what I do. The DPDT knife switch is mounted to a pole that's sunk (?) right next to one of the ground rods in my ground system. My knife switch to change antennas is out there too in series with (ahead of) the other one. I connect both antennas together at the switches with clip leads when grounded. The line into the house is not connected to anything inside the house when it's not in use. I know my grounding scheme isn't going to stand up to a direct lightning strike, but then I anticipate that a direct strike will vaporize the whole antenna system anyway. Wires just won't carry the current the way a tower would. It's kind of a nuisance having to switch them in bad weather but at least I don't have to worry about lightning getting into the house (I hope).

72 -

Charlie Fitts, N1EI

Date: Thu, 9 Dec 1999 10:05:48 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [57677] FOX: KF4AR log 12/08/99
Message-ID: <v03102803b475751bf37c@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Thanks to all the hounds for hanging in there through all the QSB, QRM and my QSYs. It was a real experience to operate a Fox hunt from the Fox side.

72,

Rick kf4ar

<fontfamily><param>Geneva</param><smaller>0102 K2IQM 579
MA JOEL 337

0104 VE3JHC 579 ON JOHN 744

0105 NA1XX 559 MA MIKE 1588

0108	K1CL	569	MA	CHUCK	217
0110	N1TP	599	FL	TOM	1317
0112	AB8DF	589	MI	ED	1444
0113	KK5LD	589	TX	DAN	205
0115	K1JD	589	RI	JOHN	1945
0118	N0EHW	559	MO	TIM	2047
0120	NT1R	559	MI	BILL	912
0122	K5LN	579	TX	BILL	1794
0128	AF5Z	589	TX	BOB	984
0131	W5TW	579	TX	TOM	1474
0132	W5TFB	579	TX	JACK	282
0134	N1LN	599	TX	BRUCE	2049
0137	W0CH	559	MO	DAVE	618
0140	K5ZTY	559	TX	BILL	473
0141	K1VP	559	NH	ED	1960
0143	W0JOE	569	MO	JOE	1901
0148	K5VUR	559	TX	ED	1343
0150	N0DT	559	MO	DAN	1004
0152	N0EA	559	MO	WAYNE	1058
0153	AF4PS	559	FL	MAC	704
0200	K0EVZ	559	ND	DOC	861
0205	N9AW	559	WI	JERRY	1271
0220	KB9IVA	549	IL	KEVIN	384
0226	KA4BMK	559	FL	JIM	4W

0228 WB1HBE 579 MA JOHN 5W

0233 K5RV 579 LA BRIAN 324

0238 N0RC 559 CO ROD 1764

0240 K10J 579 TX OJ 732

0243 W5SB 579 TX BILL 1279

0246 KI0II 579 CO RON 928

0249 KU7Y 559 NV RON 17

0250 N5JI 559 TX RICH 1054

0252 N5LU 579 OK BILL 2009

</smaller></fontfamily>

Date: Thu, 9 Dec 1999 12:57:44 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [57678] Cw Filters.Coments!
Message-ID: <6A3A6C7C6177D311932B0000E21F2B781537F1@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Im very happy with helps from many hams on the list.....Very tanks to =
all
that help me.

73=B4s
Kleibe Jacinto de Araujo
PP2KJA
Brazil=20

Date: Thu, 09 Dec 1999 08:17:11 -0700

From: Ray Colbert <af852@rgfn.epcc.edu>
To: SKIPNC90@aol.com
Subject: [57679] Re: Unrelated subjects..., RE: Actual Messages sent
Message-ID: <384FC7F7.885EA5C8@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Skip - not always the case as I have sent messages to the list regarding a particular post and it somehow gets wrapped up into some other title completely different. I see that often and if deemed important enough, I will go to the archive for that day to see what the original message was supposed to be. Now this may be just with my getting the digest but it is an ongoing happening. I am sure some people are out there wondering what happened to their re: posting and not finding it, repost which will eventually cause a duplicate. Just my observations. thanks for bringing it up.

73

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Thu, 9 Dec 1999 10:17:11 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [57680] Parallel feedlines and static discharge
Message-ID: <Pine.GS0.4.10.9912090940560.15541-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have read with great interest the exchanges relating to the use of spark gaps and resistors to bleed off charges that accumulate on the antenna wires--either slowly or suddenly. Here are a few extra thoughts.

1. Spark gap: the pointy plates and actual spark plugs used for safety have a very limited function. Consider: these devices have an air gap that takes literally thousands of volts to bridge. Hence, only under the conditions of having a lightning strike or an accumulated charge of sufficiently high voltage will they go into operation. This is long after

the level of voltage is reached that will do damage to equipment (or people). wind and rain and snow charge up wire antennas, and continuous discharge is necessary in addition to brute lightning protection.

2. Resistors: a resistor in the range of about 100 times the values of the impedance at the point of installation will bleed off charges as they form (but disappear without a trace in a lightning strike). For low impedance coax, 10K to 50K resistors (noninductive) work well, since they bleed charges as they are forming, and the voltage level never gets very high. However, for parallel lines, it pays to use much higher values of resistance, since the impedance at the installation point may also be high. If the impedance is, say, 5K, and the resistor is 10K, then there is bound to be a diversion of power from the antenna to the ground. 100K is not too low--or too high--for effective static bleed-off. But a resistor is not lightning protection and it will not cure surges in the AC power lines.

3. Safety: the safest means of preventing lightning from entering via the feedline is total disconnect of the feedline outside the house and grounding the feedline at a reasonably safe distance from the house. Note that this focuses only on lightning entering via the feedline. A charge sent into the ground in the house vicinity may still do damage by propagating via the ground lines and other paths that permit surge propagation. Your rig does not care whether a positive line is at 1000 volts and the ground buss is at zero--or whether the ground buss is at -1000 volts and the positive line is at zero. The damage will be close to identical. Hence, supplement antenna disconnection and grounding with all other applicable safety measures. Polyphasor and other sources have much more detailed information on protective measures than I can put here.

4. Grounds: please become more refined in your thinking about grounds. There are several general types, depending on the nature of the voltages and currents one is thinking about, and their requirements are not identical. A good installation can make some components do multiple duty with respect to ground, but be sure to cover all bases and not to think "monolithically" about ground.

5. Restrictions: many QRPers live where they can do very little about improving overall ground conditions in many categories. However, one should always do what one can. Socket and strip surge protectors help. Disconnection of equipment when not in use (or during any atmospheric electrical event) is also crucial--and make the disconnection complete: antenna, ground, power: as if the gear were still in its shipping box. Knife switches to disconnect antennas from coming in the wall/window and reconnecting them to the best possible ground. All these things help reduce the chances of a damaging surge from any source--antenna, power line, ground paths, etc.

Remember that Murphy is a lightning expert. Just when you think you have accounted for all possible paths, he will show you one that you missed-and on good Murphy days, you will discover that the K-2 you just finished is connected somehow to that path.

And, yes, lightning does occur in winter and in snow storms. And if lightning does not come near, something may get on the power lines to momentarily multiply the normal line voltage by a destructive value.

These notes are just starters and should be supplanted at your earliest opportunity by detailed information from expert sources and an equally detailed analysis of your situation.

Have a safe holiday season.

-73-

LB, W4RNL

Date: Thu, 9 Dec 1999 15:38:08 EST
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Cc: cw@qth.net
Subject: [57681] Chod Harris
Message-ID: <0.57b836b5.25816d30@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sadly, he passed away recently. David Sumner, K1ZZ said "He faced the challenge of absorbing into our ranks the refugees of the CB boom."

I'd say he has done a successful job meeting that challenge.

73

Howard Kraus, K2UD

Date: Thu, 9 Dec 1999 16:10:28 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>

To: qrp-1@lehigh.edu
Subject: [57682] FOX: Final KF4AR log, I hope
Message-ID: <v03102817b475ca940f5e@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

I had taken medicine all day long for a bad sinus problem. By the time the Fox hunt came along, I could hardly write so I could read it. My sending wasn't the best either.

This should be the last and hopefully correct log.

Thanks and 72,

Rick kf4ar

<fontfamily><param>Geneva</param><smaller>0102 K1QM 579 MA
JOEL 337

0104 VE3JHC 579 ON JOHN 744

0105 NA1XX 559 MA MIKE 1588

0108 K1CL 569 MA CHUCK 217

0110 N1TP 599 FL TOM 1317

0112 AB8DF 589 MI ED 1444

0113 KK5LD 589 TX DAN 205

0115 K1JD 589 RI JOHN 1945

0118 N0EHW 559 MO TIM 2047

0120 NT1R 559 MI BILL 912

0122 K5LN 579 TX BILL 1794

0128 AF5Z 589 TX BOB 984

0131 W5TW 579 TX TOM 1474

0132 W5TFB 579 TX JACK 282

0134	N1LN	599	TX	BRUCE	2049
0137	W0CH	559	MO	DAVE	618
0140	K5ZTY	559	TX	BILL	473
0141	K1VP	559	NH	ED	1960
0143	W0JOE	569	MO	JOE	1901
0148	K5VUR	559	TX	ED	1343
0150	N0DT	559	MO	DAN	1004
0152	N0EA	559	MO	WAYNE	1058
0153	AF4PS	559	FL	MAC	704
0200	K0EVZ	559	ND	DOC	861
0205	N9AW	559	WI	JERRY	1271
0220	KB9IUA	549	IL	KEVIN	384
0226	KA4BMK	559	FL	JIM	4W
0228	WB1HBE	579	MA	JOHN	5W
0233	K5RV	579	LA	BRIAN	324
0238	N0RC	559	CO	ROD	1764
0240	K10J	579	TX	OJ	732
0243	W5SB	579	TX	BILL	1279
0246	KI0II	579	CO	RON	928
0249	KU7Y	559	NV	RON	17
0250	N5JI	559	TX	RICH	1054
0252	N5LU	579	OK	BILL	2009

</smaller></fontfamily>

Date: Thu, 09 Dec 1999 16:14:36 -0800
From: paul taylor <ptay1@miro.bestweb.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [57683] test dont read
Message-ID: <3.0.32.19991209161434.006953e0@pop.bestweb.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

no messages is reflector up

Date: Thu, 9 Dec 1999 11:21:29 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List 2" <qrp-l@Lehigh.EDU>
Subject: [57684] Micro Keys
Message-ID: <000101bf4269\$d4cbf980\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Recently I posted a message asking for recommendations on small paddles useful for QRP and especially portable work.

As expected I got a fair number of replies. Someone asked me to summarize the results. Here's what I got. A totally unscientific survey. Three brands topped the list.

BRAND/NAME	QTY
Paddlette	6
Whiterook	7
Bulldog	3
Other	5

"Other" consisted of an assortment of other brands and included some homemade ideas.

Now I guess the question is; which is "best" and best of course meaning fitting the requirements of cost, feel, ruggedness, size, etc.

Whiterook and Bulldog were very appealing at a cost of between \$10 and \$15 or so each. The Paddlettes come in at between \$40 - \$50. Why the vast difference?

So which got the highest praise? Almost a toss up. Probably Bulldog, followed by Paddlette. This is simply according to the comments within the replies to me.

Dan W. Dooley - WB5TKA Y2K Complacent
e-mail to: dandoooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

Date: Thu, 9 Dec 1999 12:55:37 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57685] Re: Getting feedline into house
Message-ID: <19991209205537.23232.qmail@web2001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My this is an engineering challenge!

At our previous house, I did cut a round hole the size of a dryer vent. This required a repair effort before we sold the house!

At the new house the shack is near a sliding glass door. What I did was bring in coax by drilling holes in the wooden door frame, terminating the coax both inside and outside with SO-239's mounted inside a box. this allows me to reconfigure different antennas - and also disconnect during the stormy season. repair for this is just to fill some small holes. (I do need to add a few more coax feedthroughs since my antenna farm has grown).

I did find that my ladder line and ground connection fits through the window, allowing it to lock, etc.

Think about simple means such as these first, before you decide you need big wholes in the wall. Also, at older ARRL handbook showed replacing a window pane with plexiglass which has SO-239 feedthroughs on it, but most modern windows are complex and don't have

small panes.

hams will forever be engineering ways of getting
feedlines out of their homes and cars!

Curt WB8YYY

Do You Yahoo!?

Thousands of Stores. Millions of Products. All in one place.
Yahoo! Shopping: <http://shopping.yahoo.com>

Date: Thu, 09 Dec 1999 14:40:26 -0700
From: Doug <doug@wtp.net>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57686] Re: Parallel feedlines and static discharge
Message-ID: <385021CA.1E567CCD@wtp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just for What it's Worth....

I've used open wire feeders for years here in the lightning country
of MT. I've had best success using a balun that has a grounded
center tap on the antenna side and then feed that with coax from my
tuner. It sure helps bleed off the static and protects my gear at the
same time. I use a #6 copper to an 8 foot rod from the CT and
have had no problems.

73 all

Doug, K7YD

"L. B. Cebik" wrote:

> I have read with great interest the exchanges relating to the use of spark
> gaps and resistors to bleed off charges that accumulate on the antenna
> wires--either slowly or suddenly. Here are a few extra thoughts.
>
> 1. Spark gap: the pointy plates and actual spark plugs used for safety
> have a very limited function. Consider: these devices have an air gap
> that takes literally thousands of volts to bridge. Hence, only under the
> conditions of having a lightning strike or an accumulated charge of

> sufficiently high voltage will they go into operation. This is long after
> the level of voltage is reached that will do damage to equipment (or
> people). wind and rain and snow charge up wire antennas, and continuous
> discharge is necessary in addition to brute lightning protection.

>

> 2. Resistors: a resistor in the range of about 100 times the values of
> the impedance at the point of installation will bleed off charges as they
> form (but disappear without a trace in a lightning strike). For low
> impedance coax, 10K to 50K resistors (noninductive) work well, since they
> bleed charges as they are forming, and the voltage level never gets very
> high. However, for parallel lines, it pays to use much higher values of
> resistance, since the impedance at the installation point may also be
> high. If the impedance is, say, 5K, and the resistor is 10K, then there
> is bound to be a diversion of power from the antenna to the ground. 100K
> is not too low--or too high--for effective static bleed-off. But a
> resistor is not lightning protection and it will not cure surges in the AC
> power lines.

>

> 3. Safety: the safest means of preventing lightning from entering via
> the feedline is total disconnect of the feedline outside the house and
> grounding the feedline at a reasonably safe distance from the house. Note
> that this focuses only on lightning entering via the feedline. A charge
> sent into the ground in the house vicinity may still do damage by
> propagating via the ground lines and other paths that permit surge
> propagation. Your rig does not care whether a positive line is at 1000
> volts and the ground buss is at zero--or whether the ground buss is at
> -1000 volts and the positive line is at zero. The damage will be close to
> identical. Hence, supplement antenna disconnection and grounding with all
> other applicable safety measures. Polyphasor and other sources have much
> more detailed information on protective measures than I can put here.

>

> 4. Grounds: please become more refined in your thinking about grounds.
> There are several general types, depending on the nature of the voltages
> and currents one is thinking about, and their requirements are not
> identical. A good installation can make some components do multiple duty
> with respect to ground, but be sure to cover all bases and not to think
> "monolithically" about ground.

>

> 5. Restrictions: many QRPers live where they can do very little about
> improving overall ground conditions in many categories. However, one
> should always do what one can. Socket and strip surge protectors help.
> Disconnection of equipment when not in use (or during any atmospheric
> electrical event) is also crucial--and make the disconnection complete:
> antenna, ground, power: as if the gear were still in its shipping box.
> Knife switches to disconnect antennas from coming in the wall/window and
> reconnecting them to the best possible ground. All these things help
> reduce the chances of a damaging surge from any source--antenna, power
> line, ground paths, etc.

>
> Remember that Murphy is a lightning expert. Just when you think you have
> accounted for all possible paths, he will show you one that you missed-and
> on good Murphy days, you will discover that the K-2 you just finished is
> connected somehow to that path.
>
> And, yes, lightning does occur in winter and in snow storms. And if
> lightning does not come near, something may get on the power lines to
> momentarily multiply the normal line voltage by a destructive value.
>
> These notes are just starters and should be supplanted at your earliest
> opportunity by detailed information from expert sources and an equally
> detailed analysis of your situation.
>
> Have a safe holiday season.
>
> -73-
>
> LB, W4RNL

Date: Fri, 10 Dec 1999 07:59:39 +1000
From: Daniel Bartlett <ausham@rocknet.net.au>
To: qrp-l@lehigh.edu
Subject: [57687] Re: Ham Radio for Kids
Message-ID: <3.0.5.32.19991210075939.007efc90@rocknet.net.au>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

G'day all

Just a quick mention that kids do enjoy amateur radio from a young age. Put
it this way - if Dad hadn't taught me electronics / radio principles from
the age of 8, you wouldn't be reading this message!
Besides - I'll have 10yrs experience in the field by the time I reach 18
(as required by some job advertisements!)

Dan (Age 14)
73 es 72 de Daniel Bartlett, VK4HDB
<http://www.qsl.net/vk4hdb/index.htm>
ausham@rocknet.net.au
Founder of ARPR Australia - <http://arpr.8m.com>
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389
QRP-L #2002
ICQ No: 54779795

Date: Thu, 09 Dec 1999 17:16:40 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [57688] Feedline etc
Message-ID: <3.0.32.19991209171632.0068589c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I have been following this thread and it tripped my nostalgia switch.

The first ham I ever met was a neighbor Duke W0BLZ in S.Dak. when I was a whole lot younger. Duke was in high demand because of the rarity of the state and a great op.

He used a sideswiper key and was easy copy, in fact 10 years after I visited him I could identify his fist on 40 meters.

He moved to the country and put up telephone poles and had some really long V beams using copperweld fence wire and open wire feed with ceramic spacers and was workin' that DX. I visited with him about a year later and the thousand foot V beams were gone. Of course my mouth fell open and I had to ask why such a magnificent antenna was removed. He led me around to the back where the big knife switch was still mounted on the wall and described the huge arcs that scared him enough to remove the antennas.

Please excuse the bandwidth but I just wanted to share this.

73 Pete NV4V

Date: Thu, 09 Dec 1999 14:14:06 +0000
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [57689] Results of the December Spartan Sprint
Message-ID: <B47569AE.231D%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The December Spartan Sprint was a strange one. Across the country, operators encountered wispy signals, plagued by QSB. On the other hand, there were some excellent long-skip openings on 40 meters, and, on the East Coast, 80 meters was hopping. AA4XX, K5NZ, and K7Q0 all had outstanding results with their milliwatt stations.

All contacts received one point. If you didn't tell us how much your station weighed, or if it weighed more than Elvis' Cadillac, we assigned a weight of 30 pounds.

The Soapbox, which always includes some great reading, has been separately published in the December issue of The ARS Sojourner, which went live today. (<http://www.natworld.com/ars>).

To make the tables line up correctly, please make sure your software is using a monospaced font.

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Qs	Wt.	Qs/ Pound
K7QO	Chuck	0	0	14	14	0	0	.6	23.33
KB9UUY	Mark	0	20	0	20	0	0	1.5	13.33
N7XJ	Bob	0	44	0	44	0	0	5.5	8.00
N0SXX	Gary	0	9	3	12	0	0	1.7	7.06
AA8PJ	Jeff	20	0	0	20	0	0	3.1	6.45
W5TB	Doc	0	24	0	24	0	0	5.5	4.36
K04WX	Mike	0	5	0	5	0	0	1.3	3.85
W0YSE	Neil	0	8	0	8	0	0	2.2	3.64
K5LN	Bill	0	16	7	23	0	0	7	3.29
WE6W	Ed	0	18	0	18	0	0	5.5	3.27
KH6B	Dean	0	7	12	19	0	0	6	3.17
N3AO	Carter	6	11	0	17	0	0	5.5	3.09
K4ZM	Jim	1	17	0	18	0	0	6	3.00
KB9LCK	Chris	7	10	1	18	0	0	7	2.57
K5NZ	Mike	2	12	3	17	0	0	7	2.43
N0IBT	Dave	0	11	2	13	0	0	6.5	2.00
WD6CCS	Bill	0	3	1	4	0	0	2	2.00
K4KJP	Terry	0	4	0	4	0	0	2.2	1.82
N0RC	Rod	0	9	0	9	0	0	5	1.80
AA7QU	Russ	0	29	7	36	0	0	30	1.20
NC9O	Skip	0	6	0	6	0	0	6	1.00
K7UD	Dee	0	5	0	5	0	0	5.1	0.98
K04PY	Brent	12	16	1	29	0	0	30	0.97
KC0EJW	Robert	3	15	0	18	0	0	20	0.90
KC0BBE	Lou	3	15	0	18	0	0	20	0.90
N2CX	Joe	5	4	0	9	0	0	10	0.90
KA8LLE	Ben	6	7	0	13	0	0	28	0.46
N5IW	Dave	0	12	0	12	0	0	30	0.40
AA8SN	Hope	6	1	1	8	0	0	30	0.27
KI0II	Ron	0	7	0	7	0	0	30	0.23
N0YO	Mike	4	1	0	5	0	0	30	0.17
WF6D	Bill	0	3	0	3	0	0	30	0.10

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Qs
N7XJ	Bob	0	44	0	0	0	44
AA7QU	Russ	0	29	7	0	0	36
K04PY	Brent	12	16	1	0	0	29
W5TB	Doc	0	24	0	0	0	24
K5LN	Bill	0	16	7	0	0	23
KB9UUY	Mark	0	20	0	0	0	20
AA8PJ	Jeff	20	0	0	0	0	20
KH6B	Dean	0	7	12	0	0	19
KB9LCK	Chris	7	10	1	0	0	18
WE6W	Ed	0	18	0	0	0	18
KC0EJW	Robert	3	15	0	0	0	18
KC0BBE	Lou	3	15	0	0	0	18
K4ZM	Jim	1	17	0	0	0	18
N3AO	Carter	6	11	0	0	0	17
K5NZ	Mike	2	12	3	0	0	17
K7QO	Chuck	0	0	14	0	0	14
KA8LLE	Ben	6	7	0	0	0	13
N0IBT	Dave	0	11	2	0	0	13
N0SXX	Gary	0	9	3	0	0	12
N5IW	Dave	0	12	0	0	0	12
N0RC	Rod	0	9	0	0	0	9
N2CX	Joe	5	4	0	0	0	9
AA8SN	Hope	6	1	1	0	0	8
W0YSE	Neil	0	8	0	0	0	8
KI0II	Ron	0	7	0	0	0	7
NC9O	Skip	0	6	0	0	0	6
N0YO	Mike	4	1	0	0	0	5
K04WX	Mike	0	5	0	0	0	5
K7UD	Dee	0	5	0	0	0	5
K4KJP	Terry	0	4	0	0	0	4
WD6CCS	Bill	0	3	1	0	0	4
WF6D	Bill	0	3	0	0	0	3

For each month's Spartan Sprint, we also celebrate special achievements. The special achievement award for November goes to Doc, W5TB, for the quality of his Soapbox commentary, to wit:

"this is the most fun I've had with my clothes on all month!"

Thanks for supporting the Spartan Sprints and The Adventure Radio Society.

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 9 Dec 1999 17:14:52 EST
From: KF4EIB@aol.com
To: klqrp@waterw.com
Cc: qrp-1@lehigh.edu, cw@qth.net
Subject: [57690] New Call - KV4CZ - ex kf4eib Gordon
Message-ID: <0.8f82e71d.258183dc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Greetings To All,

Hear ye ! Hear Ye !

>From Tech Plus to Advanced (after battle with 13 wpm) :-)

May I take this opportunity to thank three Hams that have had a profound positive impact on my Ham adventure?

Listed by call alphabetically....

AE4IC Bob
KT4ST Arnie
WF4I Derek

These three gentlemen have helped, listened with a kind ear, and pulled me out of the despair pit at times trying to learn CW. Without their help and patience.... could still be struggling I'm sure. THANKS GUYS !!!

Also, many thanks to all that have been VERY patient with me on the air with some real challenges of CW QSO's. Thank you again !

A new e-mail address will be in the works very soon... Watch for Burma Shave road signs. Hi Hi

Thank you all for your time and take care.

CU on the air.

73 / 72,

KV4CZ Gordon

Date: Thu, 9 Dec 1999 12:22:43 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <ausham@rocknet.net.au>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57691] RE: Ham Radio for Kids
Message-ID: <000501bf4272\$62aeefc0\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

You have the same job requirements there? Here, it seems in the IT (Information Technology) field, they expect some 8-10 years experience in the following: NT/UNIX/Novel/OS<whatever>, network admin., Web development/Support, skill and at least 7 years professional experience in programming languages X, Y, and Z, etc., etc., etc., a masters degree in each of the above, and oh yes, not be over 25 years old!

Think I'm kidding?

Dan W. Dooley - WB5TKA Y2K Complacent
 e-mail to: <mailto:dandooley@pipeline.com>
Si Hoc Legere Scis Nimium Eruditionis Habes

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Daniel Bartlett
> Sent: Thursday, December 09, 1999 4:00 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Ham Radio for Kids
>
>
> G'day all
>
> Just a quick mention that kids do enjoy amateur radio from a
> young age. Put
> it this way - if Dad hadn't taught me electronics / radio principles from
> the age of 8, you wouldn't be reading this message!
> Besides - I'll have 10yrs experience in the field by the time I reach 18
> (as required by some job advertisements!)

>
> Dan (Age 14)
> 73 es 72 de Daniel Bartlett, VK4HDB
> <http://www.qsl.net/vk4hdb/index.htm>
> ausham@rocknet.net.au
> Founder of ARPR Australia - <http://arpr.8m.com>
> 1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
> +61 07 4934 0389
> QRP-L #2002
> ICQ No: 54779795
>

Date: Thu, 9 Dec 1999 17:22:27 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [57692] CLUB: New NOGA CLub Web Page Update with Dec 99 Meeting Notes
Message-ID: <66FCE0D1DF76D311913800805F6D0FA3331692@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Check out the NOGA web page for a great Part 1 article on pushing the envelope by making a working tube regen receiver operating on 12 volts DC. "Thru The Rosin Smoke" December, 1999 by Mike Branca, W3IRZ

BTW we had another great bi-monthly club meeting at RadioShack.com (aka TechAmerica) on the first Saturday in December. Great writeup and PIXs by Mike Boatright K04WX.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Date: Thu, 9 Dec 1999 15:35:11 -0700
From: zmola@campbellsci.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57693] Re: Ham Radio for Kids
Message-ID: <199912092226.WAA29413@demeter.campbellsci.com>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Just a quick mention that kids do enjoy amateur radio from a young age. Put
> it this way - if Dad hadn't taught me electronics / radio principles from
> the age of 8, you wouldn't be reading this message!
> Besides - I'll have 10yrs experience in the field by the time I reach 18
> (as required by some job advertisements!)

I just overheard someone on 10 M talking about his 4year old Tech Plus and
5 year old General. I don't think I could spell then, but I guess you don't
have to spell to copy CW. (By the way. I still can't spell)

This is just to encourage some people to be more pushy with their
grandkids :-)

Carl
AC7BB

Carl
zmola@campbellsci.com

Date: Wed, 8 Dec 1999 19:10:24 EST
From: kc8aon@juno.com
To: wa8mcq@erols.com, qrp-1@Lehigh.EDU
Subject: [57694] Re: HW-8 parts info needed
Message-ID: <19991209.173147.4575.0.kc8aon@juno.com>

Mike,

I checked my copy of the HW-8 Handbook, and it suggests a 2N4416 for
the MPF-105. I couldn't find the 4416 in my area, but remembered an
article in 73 Magazine by Mike Bryce, the author of the HW-8 Handbook.
In the article he said to use an MPF-102 for Q1, which I did and I must
say that it improved the receive of my HW-8 ! For the 1N458 diodes, I
just picked up a pack of 1N914's at Radio Shack, catalog # 276-1620 (pack
of 50) & used them with no problems at all. As for the MPSA20, all I
could come up with was an ECG-199 in my cross reference manual, it's an
NPN device, Lo noise, Hi gain preamp in a TO-92 case. Anyone that owns
an HW-7,8 or 9 would do well to get a copy of the HW-8 Handbook, it has
extensive information on modifying the "Hotwater" series of QRP rigs plus
info on trouble shooting them. You can contact the author - Michael
Bryce WB8VGE via email at:
prosolar@sssn.net I think the going price on the book is around \$11,
and well worth it.

Hope this helps.....72

Rick McKee KC8AON <><

On Wed, 08 Dec 1999 08:43:34 -0500 Mike Czuhajewski <wa8mcq@erols.com> writes:

>I got a letter from someone working on an HW-8 and among other things
>he

>wanted some parts info. What's a good, readily available (DigiKey,
>etc)

>substitute for Q1, an MPF-105 FET? He also wondered about Q5, an
>MPSA20,

>and 1N458 diode. The HW-8 uses the latter two parts in quite a few

>places. I've got some suggestions of my own to tell him, but would

>prefer to tell him what people have actually used with good success.

>--

>73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

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Date: Thu, 9 Dec 1999 17:43:37 EST

From: K1JD@aol.com

To: rerobins@email.uncc.edu, qrp-1@lehigh.edu

Subject: [57695] Re: FOX: KF4AR report

Message-ID: <0.2424c0a9.25818a99@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Hey Rick:

The "switch" thing happened to me as well - it was eerie - 1st 40 minutes
going great guns and then *poof* ...nothing but whispers in the noise.

Coincidentally, I just turned 50 as well so hope there's no connection!

Thanks for the pelt.

73,

John K1JD

Jamestown, RI

K2 SN's #139 & #583

G5RV at 40'

Date: Thu, 9 Dec 1999 17:43:14 -0500
From: "John Paul Keon" <jpkeon@worldnet.att.net>
To: <KF4EIB@aol.com>, <klqrp@waterw.com>
Cc: <qrp-1@lehigh.edu>, <cw@qth.net>
Subject: [57696] Re: New Call - KV4CZ - ex kf4eib Gordon
Message-ID: <006401bf4296\$d713f440\$02000003@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gordon, that is great, fantastic, wonderful.
It is nice to see you progress in such short time.
You are a model for a lot of others to follow.
And, as you will find out now, the CW portion of
the band is a little more "gentlemanly" in that the
other hams will gladly accept you into the conversation.
Good luck in all your endeavors.
JohnPaul/AB4PP

----- Original Message -----

From: <KF4EIB@aol.com>
To: <klqrp@waterw.com>
Cc: <qrp-1@lehigh.edu>; <cw@qth.net>
Sent: Thursday, December 09, 1999 5:14 PM
Subject: New Call - KV4CZ - ex kf4eib Gordon

> Greetings To All,
>
> Hear ye ! Hear Ye !
>
> From Tech Plus to Advanced (after battle with 13 wpm) :-)
>
> May I take this opportunity to thank three Hams that have had a profound
> positive impact on my Ham adventure?
>
> Listed by call alphabetically....
>
> AE4IC Bob
> KT4ST Arnie
> WF4I Derek
>
> These three gentlemen have helped, listened with a kind ear, and pulled me
> out of the despair pit at times trying to learn CW. Without their help and
> patience.... could still be struggling I'm sure. THANKS GUYS !!!
>

> Also, many thanks to all that have been VERY patient with me on the air
 with
 > some real challenges of CW QSO's. Thank you again !
 >
 > A new e-mail address will be in the works very soon... Watch for Burma
 Shave
 > road signs. Hi Hi
 >
 > Thank you all for your time and take care.
 >
 > CU on the air.
 >
 > 73 / 72,
 >
 > KV4CZ Gordon
 > ===== KL QRP Club Mailing List =====
 > To unsubscribe from this list, send email to listserver@vramp.net
 > and put the text "unsubscribe klqrp" in the message. To post a
 > message to the list, send email to klqrp@vramp.net.

 Date: Thu, 9 Dec 1999 17:55:23 -0500
 From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
 To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
 Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
 Subject: [57697] N/T+ Log for Trey ...
 Message-ID: <199912091757_MC2-905E-CF4C@compuserve.com>
 MIME-Version: 1.0
 Content-Transfer-Encoding: 7bit
 Content-Type: text/plain;
 charset=us-ascii
 Content-Disposition: inline

Gang:

Because of computer problems, I have been asked to post the following N/T+
 FOX log:

N/T+ Fox log for KF4YWT
 12/1/99
 2200-0000 UTC

	RST	RST						
Time	Call	Rec	Sent	S/P/C	Name	QRP-L#	Pwr.	
2237	KR0I	559	559	MO	Mac	1037	5W	
2257	K2UD	559	559	NY	Howard	1535		5W

He apologised for the delay in posting, but it was simply beyond his control. Also, he will regretfully miss his sked for 12/29/99, due to other commitments. --Doc/K0EVZ

Date: Thu, 9 Dec 1999 17:13:52 -0600
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57698] Re: Feedline etc
Message-ID: <004c01bf429b\$108e7980\$87e70b3f@default>

Pete

That Prairie Wind shore do generate some exciting static electricity don't it? Not to mention lightning ! Mike in Minnesota

-----Original Message-----
From: Pete Burbank <plburbank@kih.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, December 09, 1999 4:15 PM
Subject: Feedline etc

>He led me around to the back where the big knife switch was still
>mounted on the wall and described the huge arcs that scared
>him enough to remove the antennas.

Date: Thu, 9 Dec 1999 23:12:53 -0000
From: "Andy GM0NWI" <gm0nwi@tesco.net>
To: "American QRP List" <qrp-1@lehigh.edu>
Subject: [57699] OH ! DEAR HOTWATER.....!!!!!!
Message-ID: <002901bf429a\$eca50de0\$b21dac3e@andy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy`s

I am unfortunatley pressured into writin` this mail
to u all in the HUGE response for the ZIPS, of the

Hotwater Handbooks, that I have done initially for myself

UNFORTUNATLEY do to HEAVY policeing and much input of MANY people on the list...I am now under obligation to retract my offer of givin' the ZIPS to anyone who is in need of them...

I did not think that the issue of copyright on this material would be so great and therefore it leaves me with NO option to WITHDRAW my offer completley....

I have to give HUGE amounts of apologies to one and all for the inconveniance caused.... I am by nature physically handicapped (not any excuse whatsoever), have had a lifetime of help from literally millions of people thru all walks of life in my short time here on this planet, so saw this venture purely as "helpin'" others who were in need for things radio....as like I am most times, and have found a great many people helpin' me in the past with things on the list.....

IT WAS IN NO WAY WHATSOEVER done with the thought of any malic, I have tried to get intouch with various people here on the list "in the know" regardin' this issue, to no avail...

Once again I send out my apoligises for any inconveniance and upset caused to one and all, let's hope that I can continue to monitor the list in the future, from time to time puttin' in my dimes worth...

Good Luck one and all with this glorious hobby, hope to hear u all on the bands sometime around the QRP spots....!!!!
72s De Andy GMONWI
"Long Live QRP...!!!"

gm0nwi@tesco.net

End of QRP-L Digest 1664

